

WHAT IS CLAIMED IS:

1. A pulse wave measuring apparatus comprising:

a sensor unit including a pressure sensitive part, a living organism fixing device for fixing a living organism, a pressure part for pressing the pressure sensitive part against the living organism and a pressure part control unit for controlling the pressure part;

wherein the pulse wave is measured by pressing the pressure sensitive part by the pressure part against the living organism fixed by the living organism fixing device;

wherein the living organism fixing device includes a fixing stand for fixing the living organism in position; and

wherein the pressure part control unit is arranged in the fixing stand.

2. The pulse wave measuring apparatus according to claim 1, further comprising an A/D converter for converting the analog signal output from the pressure sensitive part to a digital signal,

wherein the A/D converter is arranged in the fixing stand.

3. The pulse wave measuring apparatus according to claim 2,

wherein the sensor unit includes a plurality of pressure sensitive part in array,

the apparatus further comprising a signal extraction unit for multiplexing by time division the signal output from the plurality of the pressure sensitive part,

wherein the signal extraction unit is arranged in the sensor unit.

4. The pulse wave measuring apparatus according to claim 3,

wherein the pressure part includes an expandable pressure cuff, and

wherein the pressure part control unit includes an expansion part for expanding/contracting the pressure cuff by filling/discharging a fluid into/from the pressure cuff, and an expansion part control unit for controlling the operation of the expansion part.

5. The pulse wave measuring apparatus according to any one of claims 2 to 4, further comprising an arithmetic operation processing unit for arithmetically processing the signal output from the A/D converter, a display unit for outputting the result of arithmetic operation obtained from the arithmetic operation processing unit and an operating unit for receiving an input from an external source,

wherein the arithmetic operation processing unit, the display unit and the operating unit are arranged in the fixing stand.

6. The pulse wave measuring apparatus according to any

one of claims 2 to 4, further comprising an arithmetic operation processing unit for arithmetically processing the signal output from the A/D converter, a display unit for outputting the result of arithmetic operation obtained from the arithmetic operation processing unit and an operating unit for receiving an input from an external source,

wherein the arithmetic operation processing unit is arranged in the fixing stand, and the display unit and the operating unit are arranged on the sensor unit.

7. The pulse wave measuring apparatus according to any one of claims 2 to 4, further comprising an arithmetic operation processing unit for arithmetically processing the signal output from the A/D converter, a display unit for outputting the result of arithmetic operation obtained from the arithmetic operation processing unit and an operating unit for receiving an input from an external source,

wherein the arithmetic operation processing unit, the display unit and the operating unit are arranged in the sensor unit.